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Attorney Docket No. 10121/12701 (03-175US)

In the claims:

Please amend the claims as follows:

1. (Currently Amended) An end effector apparatus comprising:

a flexible insertion section, a distal portion of which is configured for insertion to a target site within a living body;

a handle at a proximal end of the insertion section which remains outside the body when the distal portion of the insertion section is inserted into the body to the target site;

a deflecting mechanism at a distal end of the insertion section, the deflecting mechanism having a proximal portion, member and a distal portion member pivotally coupled to one another and open to one another via a proximal end gap in the proximal end of the distal member and a distal end gap in the distal end of the proximal member, the proximal and distal members including proximal and distal side gaps, respectively, the proximal side gap extending to the distal end of the proximal member laterally of the distal end gap and the distal side gap extending to the proximal end of the distal member laterally of the proximal end gap to form a continuous opening with the proximal side gap, and a redirection mechanism between the proximal portion and the distal portion, the redirection mechanism configured to allow the distal portion to be redirected relative to the proximal portion;

an end effector assembly coupled to the distal portion end of the deflecting mechanism;

a first actuator member extending from the handle through the insertion section to couple[[d]] to the distal member so that actuation of the first actuator member pivots the distal member relative to the proximal member between a longitudinally aligned configuration and a

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~~deflected configuration~~ deflecting mechanism to redirect the distal portion with respect to the proximal portion via the redirection mechanism; and

a second actuator member extending from the handle through the insertion section coupled to the end effector assembly to actuate the end effector assembly; ~~and~~

~~— a proximal opening and a side gap defined by the deflecting mechanism, wherein each of the first and second actuator[[s]]~~ members extends between the proximal and distal members via the distal and proximal end gaps when the proximal and distal members are in the longitudinally aligned configuration and extend therebetween via the proximal and distal side gaps when the proximal and distal members are in the deflected configuration extends through the proximal opening and selectively extends through the side gap.

2. (Currently Amended) The apparatus of claim 1, wherein the first actuator member is a wire.

3. (Original) The apparatus of claim 2, wherein the wire extends through a lumen defined by the deflecting mechanism.

4. (Canceled).

5. (Canceled)

6. (Original) The apparatus of claim 3, wherein the wire is coupled to the deflecting mechanism to allow the wire to move within the lumen.

7 - 8. (Canceled)

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9. (Currently Amended) The apparatus of claim 1, wherein the second actuator member is a wire.

10. (Original) The apparatus of claim 9, wherein the wire extends through a lumen defined by the deflecting mechanism.

11. (Canceled)

12. (Original) The apparatus of claim 10, wherein the wire is coupled to the deflecting mechanism to allow the wire to move within the lumen.

13 - 14. (Canceled)

15. (Currently Amended) The apparatus of claim [[14]] 1, wherein the distal member pivots relative to the proximal member about pivot~~includes~~ at least one pin extending through holes defined by the proximal and distal portions.

16. (Original) The apparatus of claim 1, wherein the end effector assembly includes a grasper.

17. (Original) The apparatus of claim 1, wherein the end effector assembly includes a medical device.

18. (Original) The apparatus of claim 9, wherein the end effector assembly includes links, the end effector being connected to the links.

19. (Currently Amended) The apparatus of claim 1, wherein the deflecting mechanism is configured to allow the distal member to pivot ~~portion to be redirected~~ up to at least 90 degrees

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relative to an axis of the proximal portion.

20. (Canceled).

21. (Currently Amended) The apparatus of claim 1, wherein the deflecting mechanism is configured to allow the distal member to deflect ~~portion to be redirected~~ in only one direction relative to the proximal portion.

22. (Original) The apparatus of claim 1, wherein the end effector assembly is configured to receive a current.

23. - 78. (Canceled)

79. (Currently Amended) The apparatus of claim 1, wherein the proximal and distal side gaps are ~~gap~~ is defined by a side portion of the deflecting mechanism.

80 - 81. (Canceled).

82. (Currently Amended) The apparatus of claim ~~[[80]]~~ 1, wherein a pivot joins the distal end of the proximal member and the proximal end of the distal member ~~is between the first gap and the second gap and between the proximal portion and the distal portion.~~

83. (Currently Amended) An end effector apparatus comprising:

a flexible insertion section, a distal portion of which is configured for insertion to a target site within a living body;

a handle at a proximal end of the insertion section which remains outside of the body

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when the distal portion of the insertion section is inserted into the body to the target site:

a deflecting mechanism at a distal end of the insertion section, the deflecting mechanism having a proximal portion; member and a distal portion member pivotally coupled to one another and open to one another via a proximal end gap in the proximal end of the distal member and a distal end gap in the distal end of the proximal member, the proximal and distal members includinh proximal and distal side gaps, respectively, the proximal side gap extending to the distal end of the proximal member laterally of the distal end gap and the distal side gap extending to the proximal end of the distal member laterally of the proximal end gap to form a continuous opening with the proximal side gap ; and a redirection mechanism between the proximal portion and the distal portion, the redirection mechanism configured to allow the distal portion to be redirected relative to the proximal portion;

an end effector assembly coupled to the distal portion end of the deflecting mechanism;
and

a first actuator member extending from teh handle through the insertion section to couple[[d]] to the distal member so that actuation of the first actuator member pivots the distal member relative to the proximal member between a longitudinally aligned configuration and a deflected configuration, deflecting mechanism to redirect the distal portion with respect to the proximal portion via the redirection mechanism; and

wherein the first actuator member extends between the proximal and the distal members via the distal and proximal end gaps when the proximal members are in the longitudinally aligned configuration and extend therebetween via the proximal and distal side gaps when the proximal and distal members are in the deflected configuration does not extend through a side gap defined by the deflecting mechanism when a longitudinal axis of the distal portion is substantially collinear with a longitudinal axis of the proximal portion, and the first actuator

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~~extends through the side gap when the longitudinal axis of the distal portion is not substantially collinear with the longitudinal axis of the proximal portion.~~

84. (Currently Amended) The apparatus of claim 83, further comprising a second actuator member extending from the handle through the insertion section coupled to the end effector assembly to actuate the end effector assembly.

85. (Currently Amended) The apparatus of claim 84, wherein the second actuator member selectively extends between the proximal and distal members via the distal and proximal end gaps when the proximal and distal member are in the longitudinally aligned configuration and extends therebetween via the proximal and distal side gaps when the proximal and distal members are in the deflected configuration ~~through the side gap.~~

86 - 87. (Canceled).

88. (Currently Amended) The apparatus of claim 83, wherein the proximal and distal side gap is ~~gaps are~~ defined by a side portion of the deflecting mechanism.

89 - 90. (Canceled).

91. (Currently Amended) The apparatus of claim ~~[[89]]~~ 83, wherein a pivot joins the distal end of the proximal member and the proximal end of the distal member is between the first gap and the second gap and between the proximal portion and the distal portion.

92 - 101. (Canceled).